


- MATERIALS, EQUIPMENT, AND SYSTEMS SHALL BE UL LISTED WHEN APPLICABLE AND SHALL MEET ALL PERTINENT REQUIREMENTS OF THE AMERICAN SOCIETY FOR TESTING MATERIALS (ASTM), NATIONAL ELECTRICAL CODES (NEC), THE UNDERWRITERS LABORATORY (UL), THE NATIONAL ELECTRIC FIRE PROTECTION ASSOCIATION (NFA), THE NATIONAL FIRE PROTECTION ASSOCIATION (NFPA), THE NATIONAL STANDARD STANDARDS INSTITUTE (ANSI), AND OTHER NATIONALLY RECOGNIZED AGENCIES AS WELL AS APPLICABLE LOCAL CODES.
2. ANYTHING DRAWN OR SPECIFIED SHALL NOT BE CONSTRUED TO CONFLICT WITH ANY LOCAL, MUNICIPAL, OR STATE LAW, REGULATION OR ORDINANCE WHICH GOVERNS THE INSTALLATION OF ELECTRICAL, MECHANICAL, PLUMBING, OR HVAC SYSTEMS. IT SHALL BE SHOWN AND IN COMPLIANCE WITH THE NEC OR LOCAL UTILITY. RESOLVE ANY AND ALL CONFLICTS BEFORE INSTALLATION AT NO ADDITIONAL EXPENSE TO THE OWNER.
3. THE SYSTEMS SHOWN ON DRAWINGS SHALL BE PROVIDED TO SERVE ALL FIXTURES, EQUIPMENT, AND AREAS WITHIN THE CONTRACT LIMIT LINES AS SET FORTH BY THE ARCHITECTURAL SECTION FOR THE PROJECT. THE BIDDING AND CONTRACT REQUIREMENTS, GENERAL REQUIREMENTS, AND GENERAL CONDITIONS SHALL APPLY TO THIS SECTION. SYSTEMS SHALL INCLUDE ALL EQUIPMENT, APPURTENANCES, SAFETY DEVICES AND CONTROLS NECESSARY FOR THE INTENDED SERVICE. PROVIDE ALL LABOR AND MATERIALS FOR THE COMPLETE CONSTRUCTION OF THE ELECTRICAL SYSTEM FOR THE CONTRACT WORK AREAS INDICATED ON THE ELECTRICAL DRAWINGS.
4. WHERE JOB CONDITIONS REQUIRE CHANGES FROM THE CONTRACT DOCUMENTS THAT DO NOT CHANGE THE SCOPE OF INSTALLATION OR NATURE OF WORK REQUIRED, THE CONTRACTOR SHALL MAKE SUCH CHANGES WITHOUT ADDITIONAL COST TO THE OWNER. NO OTHER CHARGES MAY BE MADE WITHOUT WRITTEN PERMISSION OF THE OWNER. PROVIDE ALL CONDUIT OFFSETS AND MISC. MATERIALS REQUIRED TO COORDINATE WITH BUILDING COMPONENTS AND WORK OF OTHER TRADES.
5. BIDDERS SHALL BE BONDED AND INSURED AND LICENSED CONTRACTORS IN ACCORDANCE WITH LOCAL AND STATE LAWS AND AS REQUIRED BY OWNER. PROVIDE ALL LABOR AND MATERIALS SHALL BE ACCEPTABLE TO THE OWNER. THE CONTRACTOR SHALL FOLLOW THE RECOMMENDATIONS TO THE NEC AND MANUFACTURER'S RECOMMENDATIONS.
6. PROVIDE ALL REMOVALS AND RELOCATION'S AS REQUIRED TO COMPLETE THE NEW WORK.
7. REMOVE EXISTING CONSTRUCTION TO THE EXTENT REQUIRED TO PROVIDE NEW CONSTRUCTION WORK UNLESS OTHERWISE NOTED.
8. PROVIDE EMT CONDUIT AND GALVANIZED BOXES WHERE CONCEALED OR EXPOSED UNLESS NOTED OTHERWISE. PROVIDE EMT WITH COMPRESSION FITTINGS IN EXPOSED EXTERIOR LOCATIONS. ALL CIRCUITS SHALL HAVE AN INSULATED GREEN GROUNDING CONDUCTOR. ALL CIRCUITS SHALL BE COTTER UNLESS NOTED OTHERWISE. PROVIDE LIQUID TIGHT FLEX WHIP AT MOTORIZED OR MOVABLE EQUIPMENT IN WET AREAS AND OUTDOORS.
9. VERIFY FINAL LOCATIONS FOR ROUGH-INS WITH FIELD MEASUREMENTS AND WITH THE REQUIREMENTS OF THE ACTUAL EQUIPMENT TO BE CONNECTED. VERIFY ALL DIMENSIONS BY FIELD MEASUREMENTS.
10. COORDINATE THE INSTALLATION OF ELECTRICAL MATERIALS AND EQUIPMENT ABOVE CEILING WITH BUILDING SYSTEM, MECHANICAL EQUIPMENT AND SYSTEMS, AND STRUCTURAL ELEMENTS. PROVIDE APPROVED METHODS OF ANCHORAGE AND ATTACHMENT TO WALLS WITH OTHER BUILDING COMPONENTS. PROVIDE WATER TIGHT BUILDING ENVELOPE AND ROOF PENETRATIONS.
11. WHERE MOUNTING HEIGHTS ARE NOT DETAILED OR DIMENSIONED, INSTALL ELECTRICAL SERVICES AND OVERHEAD EQUIPMENT TO PROVIDE THE MAXIMUM HEADROOM POSSIBLE. MINIMIZE ELECTRICAL PENETRATIONS INTO FINISHED SPACES. PROVIDE REMOVAL OR REPLACEMENT OF EQUIPMENT. INSTALL ALL WORK CONCEALED IN FINISHED SPACES.
12. PROVIDE TYPE WRITTEN PANEL BOARD SCHEDULES AT ALL NEW PANELBOARDS. UPDATE AND PROVIDE TYPE WRITTEN PANELBOARD SCHEDULES AT EXISTING PANELS WHEN NEW CIRCUITS ARE ADDED.
13. PORTIONS OF THE WORK ARE BASED ON BUILDING DRAWINGS PREPARED BY OTHERS. CONTRACTOR SHALL VISIT THE PROJECT SITE AND REVIEW ALL DRAWINGS BY OTHER TRADERS BEFORE SUBMITTING BID AND SHALL BECOME FAMILIAR WITH THE PROJECT. CONDITION: THE CONTRACTOR SHALL ADVISE THE ARCHITECT / ENGINEER PRIOR TO BID OF DISCREPANCIES WHICH WILL PROHIBIT THE PREPARATION OF AN ALL-INCLUSIVE BID OR COST PROPOSAL.
14. FIRE STOP ALL PENETRATIONS OF FIRE-RATED WALLS, CEILINGS, OR FLOOR CONSTRUCTION WITH ROCK WOOL INSULATION OR OTHER UL LISTED PRODUCTS; COMPLETELY SEAL VOIDS BETWEEN RATED PARTITIONS AND ALL PARTITIONS THAT EXTEND TO UNDERSIDE OF DECK ABOVE. SEE ARCHITECTURAL DRAWINGS FOR RATED PARTITION AND RATED CEILING TYPES.
15. ALL CONSTRUCTION, SURFACES, FINISHES, ETC. ALTERED OR EXPOSED BY ANY DEMOLITION, REMOVAL OR INSTALLATION SHALL BE REPAIRED OR REPLACED AS NECESSARY, SYSTEMATICALLY CLEANED, PRIMED, AND FINISHED TO PROVIDE A MATCHING, FINISHED APPEARANCE WITH THE SURROUNDING EXISTING CONDITIONS.
16. PRIOR TO START OF ALL WORK, COORDINATE THE REMOVAL, STORAGE AND / OR DISPOSAL OF INCIDENTAL ITEMS NOT REQUIRED TO THE BUILDING WITH THE OWNER. OWNER HAS THE RIGHT OF FIRST REFUSAL ON ALL SALVAGE ITEMS.
17. ALL MATERIALS SHALL BE AS SPECIFIED OR EQUAL AS APPROVED BY ARCHITECT / ENGINEER. IF ALTERNATE MATERIALS ARE SPECIFIED OR USED TO IMPROVE QUALITY, INTENT WHICH WILL BE USED AS A BASIS FOR COMPARISON WITH SUBSTITUTES SUBMITTED FOR APPROVAL. THE DECISION AS TO WHAT IS EQUAL IS TO BE DETERMINED BY THE ARCHITECT / ENGINEER.
18. ALL EXISTING PENETRATIONS WILL BE DOCUMENTED AND REPORTED TO THE COR BY THE ARCHITECT. ALL EXISTING WORK DAY OR WILL BE THE RESPONSIBILITY OF THE GC TO SEAL AND FIREPROOF.

TRACE ALL EXISTING POWER CIRCUITS THAT ARE RELOCATED, REFEED, OR REUSED. UPDATE PANEL SCHEDULES WITH NEW TYPED CIRCUIT DIRECTORIES. INDICATED SOURCE FEED ON DIRECTORY. UPDATE FEEDER PANEL CIRCUIT DIRECTORIES.

MINIMUM CIRCUIT FOR 115V OR 277V SHALL BE 2#12, #12EGC, IN 3/4" OR MC (WHERE CONGEALED) FED FROM A 1P-15A C/B. SHARED NEUTRALS ARE NOT ACCEPTABLE UNLESS NOTED OTHERWISE. MINIMUM CIRCUIT SIZE FOR 208V/1Ø OR 480V/1Ø SHALL BE 2#12, #12EGC, IN 3/4" OR MC (WHERE CONGEALED) FED FROM A 2P-20A C/B. MINIMUM CIRCUIT SIZE FOR 208V/3Ø OR 480V/3Ø SHALL BE 3#12, #12EGC, IN 3/4" OR MC (WHERE CONGEALED) FED FROM A 3P-20A C/B. PROVIDE FULL SIZE NEUTRAL CONDUCTOR WHEN NEUTRAL IS INDICATED OR REQUIRED BY CONNECTED EQUIPMENT. PROVIDE AN INSULATED GREEN/YELLOW TRACER CONDUCTOR (EGC) WITH EACH CIRCUIT. BOND RACEWAY, DISCONNECTS AND PANEL BOVES TO EQUIPMENT GROUNDING CONDUCTOR PER NEC. PROVIDE INSULATED GREEN WITH YELLOW TRACER ISOLATED GROUNDING CONDUCTOR WHERE IG IS CALLED FOR.

INCREASE CONDUIT SIZE PER THE NEC WHEN THE COMBINATION OF SWITCHING AND POWER CONDUCTORS EXCEED THE CONDUIT CAPACITY. DERATE CONDUCTORS PER NEC WHEN MULTIPLE CIRCUITS ARE RUN IN SAME CONDUIT.

SCALE: $1/8" = 1'-0"$



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Approved: Project Director

Location	
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Location	
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Date	Checked	Drawn
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 Department of
Veterans Affairs